

## Skills Progression for Computing

Strand	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
Computer Science	<p><i>I can create simple programs within an app</i></p> <p><i>I can work with various forms of input</i></p>	<p><i>I can understand that programs run by following precise instructions</i></p> <p><i>I can predict the behaviour of simple programs</i></p> <p><i>I can understand and use algorithms</i></p>	<p><i>I can 'debug' simple programs</i></p> <p><i>I can work with various forms of output</i></p>	<p><i>I can work with variables</i></p> <p><i>I can create programs that accomplish specific goals</i></p>	<p><i>I can debug and improve programs that accomplish specific goals</i></p> <p><i>I can use repetition and selection in programs</i></p>	<p><i>I can control or simulate physical systems</i></p> <p><i>I can use a random function in my code for purposeful effect</i></p>	<p><i>I can use technical vocabulary confidently to describe how computers and networks function, including the world wide web and online storage.</i></p> <p><i>I can write code that performs calculations with variables</i></p>
Information Technology	<p><i>I can use apps to help me learn</i></p>	<p><i>I can use a variety of software to accomplish set goals</i></p> <p><i>I can use technology to create and store digital content</i></p>	<p><i>I can use the Internet effectively, including search technologies</i></p> <p><i>I can collect information and present it to a group or audience</i></p> <p><i>I can use technology to organise and manipulate digital content</i></p>	<p><i>I can create video as part of my learning</i></p> <p><i>I can plan and create animation</i></p> <p><i>I can combine a variety of software to accomplish given goals</i></p>	<p><i>I can edit video, bringing together different media elements for purposeful effect</i></p> <p><i>I can create music / sound using digital technology</i></p>	<p><i>I can appreciate how search results are selected and ranked</i></p> <p><i>I can collect and analyse data or information using technology</i></p>	<p><i>I can design my own app or website</i></p> <p><i>I can produce and test my own app or website</i></p>
Digital Literacy	<p><i>I can explain where to go for help when something on the Internet worries me</i></p> <p><i>I can type my name</i></p>	<p><i>I can use technology respectfully</i></p> <p><i>I can talk about uses of digital technology outside of school</i></p> <p><i>I can type and edit text for purpose with good accuracy</i></p>	<p><i>I understand what personal information is and that posting such information on the Internet could be dangerous</i></p> <p><i>I can type to achieve a specific goal, including accurate punctuation</i></p> <p><i>I understand the need for rules to help stay safe online</i></p>	<p><i>I can recognise acceptable/unacceptable online behaviour</i></p> <p><i>I can identify a range of ways to report concerns about contact and content</i></p>	<p><i>I can respond to e-safety scenarios with sensible advice</i></p> <p><i>I can be discerning in evaluating digital content</i></p> <p><i>I can edit and improve on-screen writing, including spell-check and thesaurus use</i></p>	<p><i>I understand the concept of cyber bullying and what to do if I think it is occurring</i></p> <p><i>I can explain the concept of a 'digital footprint' and the issues it might create</i></p>	<p><i>I can use computer networks for meaningful collaboration</i></p> <p><i>I can critically assess and cross-reference digital resources I have found</i></p>